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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/668,058	09/19/2003	Stefan J. Rublowsky	PRKR-4500	7284

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EXAMINER

LONEY, DONALD J

ART UNIT

PAPER NUMBER

1772

DATE MAILED: 05/31/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/668,058

Applicant(s)

RUBLOWSKY ET AL.

Examiner

Donald Loney

Art Unit

1772

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 March 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 2,4,6-10,12,14 and 19-34 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 2,4,6-10,12,14,19-,34 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on March 16, 2006 has been entered.

Claim Objections

2. Claim 9 is objected to because of the following informalities: In claim 8, line 2, there is no direct antecedent basis for "the longitudinal axis" since all reference thereto was deleted from the claim it depend (i.e. claim 6). Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 2, 4, 6, 7, 8 and 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Giulie (4471976).

Giulie teaches a binder strip 12 containing a substrate 19,23 that has a heat activated adhesive 14 thereon. The adhesive has what can be considered grooves where valleys 17 are formed therein (i.e. the section between peaks 16). The grooves

appear, from the figures, to be more than 20% the thickness of the adhesive. Refer to figures 1, 3 and 4 along with column 2, lines 27-42. This rejection has been reinstated from the office action, mailed March 9, 2005 since the applicant has deleted the reference to the elongated axis of the strip.

5. Claims 2, 4, 6, 7, 8, 9, 12, 14, 19-25, 27, 29, 30 and 33 are rejected under 35 U.S.C. 102(b) as being anticipated by DuCorday (4800110).

DuCorday also teaches an elongated strip (spine section 16 of 10) containing a substrate with a heat activated adhesive 26 thereon that contains grooves 34,36 (i.e. deformities). The grooves appear, from the figures, to be more than 20% the thickness of the adhesive. This rejection is being made to specifically address the limitation that the grooves run the length of the strip. The grooves run parallel to the longitudinal axis of intermediate spine section 16. The applicant, due to the use of the open claim language to 'comprising', is not excluding any other section of the strip. It can be seen from applicants' figures 4 and 6a-6C that the prior arts adhesive runs the same direction along the binding. The opposite side of the substrate is substantially smooth in at least some second surface regions per claims 6 and 22. With respect to the product by process claims 2, 4, 12, 14, 18, 20 and 22, it must be emphasized that it is the patentability of the product that is in issue not the patentability of the process steps employed to prepare the product. See *In re Fessmann*, 180 USPQ 324 and *In re Brown*, 173 USPQ 685. The prior art contains the same structure as recited for the product.

6. Claims 2, 4, 6, 7, 10, 11, 12, 14, 20-23, 26-29, 33 and 34 are rejected under 35 U.S.C. 102(b) as being anticipated by Wang et al (4371195).

Wang et al discloses a bonder strip comprising a substrate 19 and a hot-melt adhesive 21,23,24 containing grooves 23b,24b (i.e. mechanical deformalities in the surface of the adhesive). Refer to figure 1 along with column 3, lines 36-64.. The adhesive runs the entire length of the strip from top to bottom and is used to connect pages thereto. The deformalities are also disclosed as adding in the adhesive from cold folding and the tendency to spring back are small (i.e. adding in curling thereof). Refer to column 2, lines 26-30.

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 10 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over DuCorday in view of Pogrzeba et al (4247273) or Liland et al (4612230).

The primary references teach the invention substantially as recited except for the deformities to be punctures. Refer to the 35 USC 102 rejections above. The applicant discusses the punctures, on page 11 of the specification, as being formed using an awl, which would form an indent in the adhesive.

Pogrzeba et al teaches that either grooves or indents (punctures as described above) can be formed in a layer in order to prevent a "winged effect" (i.e. curling). This deforming leads to a greater stability in shape of the layer. This is the same reason the applicant is deforming the adhesive layer (i.e. to reduce curl). Refer to figures 3a and 3b

Art Unit: 1772

along with column 2, lines 41-52. Liland et al discloses punctures 15 formed in the substrate portion of an adhesive tape in order to reduce curl. Refer to figure s 1-3 along with column 2, lines 14-18.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to the DuCorday to form the deformities of a puncture shape, as taught by the secondary references, in order to provide greater stability to the layer by preventing curl of the layer motivated by the fact the secondary references teach the deformities reduce curl.

9. Claims 28, 31, 32 and 34 are rejected under 35 U.S.C. 103(a) as being unpatentable over DuCorday in view of Wang et al.

The primary reference teaches the invention substantially as recited except for all of the second surface of the substrate being smooth per claims 28, 31 and 34. See the 35 U.S.C. 102 rejection above.

Wang et al teaches the second surface of the substrate in a binder strip being smooth. Refer to the surface of substrate 17 opposite the adhesive 21, 23, 24 in figures 1-3.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to DuCorday to form the second surface of the substrate smooth, as taught by Wang et al, motivated by the fact that it has been held within the general skill of a worker in the art to eliminate an element or its function (i.e. the grooves that aid in bending in DuCorday) as a matter of obvious engineering choice. See In re Karlson, 136 USPQ 183 (CCPA 1963).

Art Unit: 1772

10. Claims 2, 4, 6-10, 12, 14, 19-34 are rejected under 35 U.S.C. 103(a) as being unpatentable over the applicant's discussion of the prior art (ADPA) in view of either Pogrzeba et al (4247273) or Liland et al (4612230).

The ADPA discloses that binder strips comprising a substrate and hot-melt adhesive are known in the art and that the applicant's invention is in deforming the adhesive in order to prevent curl therein.

Pogrzeba et al teaches that either grooves or indents (punctures as described above) can be formed in a layer in order to prevent a "winged effect" (i.e. curling). This deforming leads to a greater stability in shape of the layer. This is the same reason the applicant is deforming the adhesive layer (i.e. to reduce curl). Refer to figures 3a and 3b along with column 2, lines 41-52. Liland et al discloses punctures 15 formed in the substrate portion of an adhesive tape in order to reduce curl. Refer to figure s 1-3 along with column 2, lines 14-18.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to the ADPA to form the deformities in the surface of the adhesive, in order to provide greater stability to the layer by preventing curl of the layer motivated by the fact the secondary references teach the deformities reduce curl.

Response to Arguments

11. Applicant's arguments filed March 16, 2006 have been fully considered but they are not persuasive. The applicant argues that the structure implied by the process limitations in the product by process claims must be taken into account. The examiner has taken this in to account. The structure implied thereby in the claims is a strip

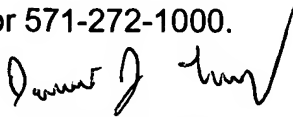
Art Unit: 1772

comprising a hot-melt adhesive containing deformalities (i.e. specifically grooves and/or punctures), of which is structurally shown in he prior art.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Donald Loney whose telephone number is (571) 272-1493. The examiner can normally be reached on Mon, Tues, Thurs and Fri. 8AM-4PM, flex schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harold Pyon can be reached on 571 272-1498. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Donald Loney
Primary Examiner
Art Unit 1772

DJL:D.Loney
05/30/06